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HUITHERT BOARD

Meeting No. 5-64

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16 Hovember 1964

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PLACE

: OC Conference Room

2003 Bus. Building

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Agende Item No. 1: Disposition of AS-4 and RS-16 Equipment

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This equipment has been in use for the part several years, primarily for emergency communications requirements. Base equipments presently are in place at of other equipment which has cince been placed in use, perticularly for outstation-to-base emergency economications requirements, and became of the general uncertability of And type transmissions in the crowded spectrum which exists today, several stations have recommended that it be disposed of. An Equipment Board decision on this matter is required.

Agenda Item No. 2: OC-8 will review the present status of the FI65

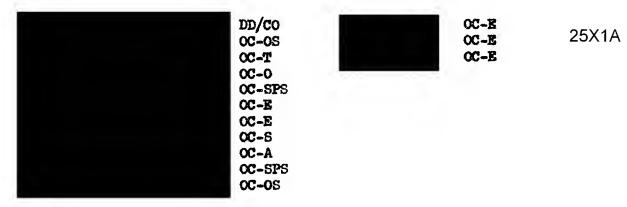
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EQUIPMENT BOARD MINUTES

Meeting Number 5-64 of the Equipment Board was held on 18 November 1964 in the OC Conference Room, 2DO3, Headquarters Building. Those present were:



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I. OLD BUSINESS

None

II. NEW BUSINESS

- A. Agenda Item No. 1: Continued Use of AS-4/RS-16/AT-10 QFM Equipment
- 1. Introduction

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This equipment is presently located at the house the AND 25X1A base stations as well as at out-stations in the statement areas, 25X1A where it is used to meet emergency communications requirements. Several areas have recommended that it be disposed of. Equipment Board action on

2. Discussion

this matter is required.

The usefulness of the present AS-4/RS-16/AT-10 QFM equipment was examined, particularly with respect to the need for its continued use on emergency circuits. The main problems being encountered with this equipment are the need for excessive maintenance because of the age of most of the equipment, and the need for a relatively clear 12.5 kc channel, which is increasingly difficult to find in the crowded spectrum which exists today. It was brought out that 300 wpm medium speed equipment is being used increasingly to meet emergency circuit requirements, particularly within an area. Although 300 wpm equipment does not have the shility of QFM to avoid jamming by virtue of the latter's short transmission time, medium

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speed does compensate for this in part by its greater frequency flexibility. In discussing what can be used to replace QFM, it was brought out that within the relatively near future the PM-18 triphase system should be available and provide a 1480 wpm capability. Advantages of the PM-18 over QFM are a 2.5 kc bandwidth, newer equipment which should require less maintenance, greater frequency flexibility and, importantly, the system will use base station equipment which is also used for agent communications, rather than unique equipment as does QFM. Looking somewhat farther ahead, the AS-12, the salso look promising for emergency communications needs.

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The question of whether QFM systems should be phased out over a period of time was next discussed, and a strong argument was made for reaching a positive decision now so that plans for the new receiving station and the modifications for can go shead on the basis of whatever decision is reached, because the layout of these stations will necessarily be affected by whether or not the AS-4 base installations are to remain.

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With regard to what disposition would be made of QFM units if they are withdrawn from service; said they would be returned to Headquarters and salvaged because of the value of some of their components, particularly high speed key punches.

It was agreed by all that QFM equipment has provided valuable experience in high speed transmissions techniques and for years has given the Agency a unique capability in the emergency communications field. This experience has laid the ground work for the more advanced systems which are now in development and QFM has, therefore, been a valuable stepping stone to the future. The QFM systems can be retired from service, having served a very useful purpose.

3. Board Action

The Board recommends that QFM equipment be retired from service at all installations, and that the units be returned to Headquarters for salvage.

- B. Agenda Item No. 2: Review of the FY-65 R&D Program
- 1. Introduction

In order for the Board to review the R&D Program, OC-E periodically provides a briefing of the equipment in development and the projects planned for future development.

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2. Discussion

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distributed a paper which listed by category all new agent communications equipment presently on procurement or in development. Additionally, a paper outlining the description, costs and status of the programmed research and development tasks for FY-1965 was distributed. These provided the background for a comprehensive Board review of all RAD projects.



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1st End.

I approve the recommendation made by the Board in paragraph II A.3 above.

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